



DEPARTMENT OF DEFENSE

**SINGLE MANAGER FOR
CONVENTIONAL
AMMUNITION**

**(IMPLEMENTING JOINT
CONVENTIONAL AMMUNITION
POLICIES AND PROCEDURES)**

APRIL 1989

**ASSISTANT SECRETARY OF DEFENSE
(PRODUCTION AND LOGISTICS)**



ASSISTANT SECRETARY OF DEFENSE
WASHINGTON, D.C. 20301-8000

PRODUCTION AND
LOGISTICS

FOREWORD

This manual is published under the authority of DoD Directive 5160.65, "Single Manager for Conventional Ammunition," November 17, 1981. It prescribes uniform procedures concerning the Single Manager for Conventional Ammunition (**SMCA**) and the Military Services in the execution of their assigned responsibilities in the conventional ammunition program.

This manual applies to the Office of the Secretary of Defense (**OSD**), the Military Departments, the Joint Staff, the Unified and Specified Commands, the Defense Agencies, and activities supported administratively by OSD (hereafter referred to collectively as "DoD Components"). The term "Military Services," as used herein refers to the Army, the Navy, the Air Force, and the Marine Corps.

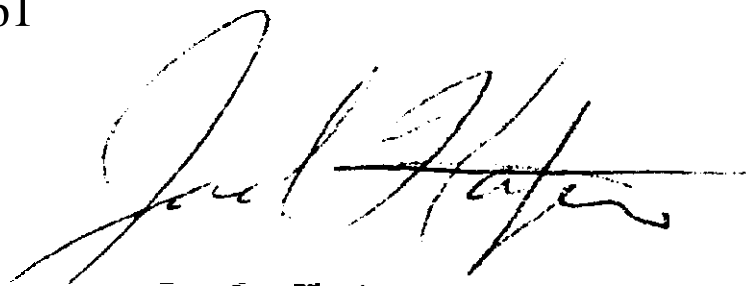
This manual is effective immediately and is mandatory for use by all DoD Components. Heads of DoD Components may issue supplementary instructions only when necessary to provide for unique requirements within their respective Components.

Recommended changes to the manual should be sent through channels to:

Department of the Army
Executive Director for
Conventional Ammunition (**AMXED-RP**)
5001 Eisenhower Avenue
Alexandria, VA 22333-0001

DoD Components may obtain copies of this manual through their own publication channels. Other Federal Agencies and the public may obtain copies **from** the:

U. S. Department of Commerce
National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161



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REFERENCES

- A. DoD Directive 5160.65, "Single Manager for Conventional **Ammunition**," November 17, 1981
- B. DoD 5025.1-1, "DoD Directives System Annual Index," January 1989, authorized by DoD Directive 5025.1, December 23, 1988
- c. DoD Instruction 5000.2, "Defense Acquisition Program Procedures," September 1, 1987
- D. DoD Directive 4120.3, "Defense Standardization and Specification Program," February 10, 1979
- E. DoD Directive 5000.1, "Major and Non-Major Defense Acquisition Programs," September 1, 1987
- F. DoD Directive 5000.39, "Acquisition and Management of Integrated Logistic Support for Systems and Equipment," November 17, 1983
- G. Federal Acquisition Regulations and Supplements
- H. AR 700-90, "Army Industrial Preparedness Program," March 1982
- I. **AMCCOM** Regulation 37-25, "Uniform Site Selection Cost Estimating Procedures," October **1984**
- J. DoD Directive 5010.19, "DoD Configuration Management Program," October 28, 1987
- K. AR 70-37, "Configuration Management," **1 July 1974**
- L. AFR 65-3, "Configuration Management," July 1974
- M. **NAVMATINST 4130.1A**, "Configuration Management," July 1974
- N.** DoD Directive 4155.1, "Quality Program," August 10, 1978
- O.** DoD 5220.22-M, "Industrial Security Manual for Safeguarding Classified Information," March 1989, authorized by DoD Directive 5220.22, December 8, 1980
- P. Department of Army Supply Bulletin 742-1, "Ammunition Surveillance Procedures," October 1979
- Q.** **NAVMATINST 8025.1**, "Inter-Service Nuclear Munitions Malfunction Reporting, Investigation and Reclassification Agreement"; "Promulgation of," March 1968
- R. DoD 5105.38-M, "Security Assistance Management Manual," October 1988, authorized by DoD Directive 5105.38, August 10, 1978
- s. AR 702-7, "Reporting of Product Quality Deficiencies Across Component Lines," **July 1984**
- T. AR 700-22, "Worldwide Ammunition Reporting Systems (WARS)," October **1983**
- u. DoD 7290.3-M, "Foreign Military Sales Financial Management Manual," September 1986, authorized by DoD Instruction 7290.3, June 29, 1981
- v. DoD 7110.1-M, "Budget Guidance Manual," July 1988, authorized by DoD Instruction 7110.1, October 30, 1980

REFERENCES (CONTINUED)

- W. DoD 4100.39-M, "Defense Integrated Data System (**DIDS**) Procedures Manual," (Volumes 1 through 16) September 1975, authorized by DoD Directive 4100.39, September 11, 1980
- X. DoD Directive 4145.19, "Storage and Warehousing Facilities and Services," August 13, 1975
- Y. DoD 4000.25-2-M, "Military Standard Transaction Reporting and Accounting Procedures (**MILSTRAP**)," May 1987, authorized by DoD Directive 4000.25, November 18, 1983
- Z. DoD 4000.25-1-M, "Military Standard Requisitioning and Issue Procedures (**MILSTRIP**)," May 1987; Supplement No. 1 - "**MILSTRIP** Routing Identifier and Distribution Codes," December 1988; Supplement No. 2 - "**MILSTRIP** Defense European and Pacific Redistribution Activity (**DEPRA**) Procedures," August 1987, authorized by DoD Directive 4000.25, November 18, 1983
- AA. DoD 4500.32-R, "Military Standard Transportation and Movement Procedures (**MILSTAMP**), Vol I, **MILSTAMP**," March 1987, authorized by DoD Directive 4000.25, November 18, 1983
- BB. DoD 4000.25-6-M, "Department of Defense Activity Address Directory, (**DoDAAD**)," Part I, "Activity Address Code Sequence," September 1988; Part 11. "Zip Code Sequence," September 1988; Part III, "Civil Agency Addresses," September 1988, authorized by DoD Directive 4000.25
- CC. AR 740-26, "Physical Inventory Control," July 1980
- DD. DoD Directive 4410.6, "Uniform Materiel Movement and Issue Priority System," October 30, 1980
- EE. DoD Instruction 7220.29, "Guidance for Cost Accounting and Production Reporting for Depot Maintenance and Maintenance Support," October 20, 1975
- FF. **NAVMATINST** 4790.21A, "Depot Maintenance Inter-Service," March 1982
- GG. **AMC-R** 750-10, "Depot Maintenance," March 1982
- HH. AFLC/AFSCR 800-30, "Depot Maintenance Inter-Service," March 1982
- II. MCO P4790.10, "Logistic Depot Inter-Service," March 1982
- JJ. TM 38-750, "The Army Maintenance Management System (**TAMMs**)," May 1981
- KK. DoD Directive 5160.2, "Single Manager Assignment for Airlift Service," October 17, 1973
- LL. DoD Directive 5160.10, "Single Manager Assignment for Ocean Transportation," March 24, 1967
- MM. DoD Directive 5160.53, "Single Manager Assignment for Military Traffic, Land Transportation, and Common-User Ocean Terminals," March 24, 1967
- NN. DoD Directive 6055.9, "The DoD Explosives Safety Board," November 25, 1983
- OO. AFSC/AFLC Regulation 170-2, "First Destination Transportation," June 1985
- PP. AR 37-100-XX, "The Army Management Structure, Annual "

REFERENCES (CONTINUED)

- QQ. AR 55-38, "Reporting of Transportation Discrepancies in Shipment," May 1982
- RR. NAVSUPINST 4610.33C, "Reporting of Transportation Discrepancies in Shipments," May 1982
- SS. AFR 75-18, "Reporting of Transportation Discrepancies in Shipments," May 1982
- TT. DLAR 4500.15, "Reporting of Transportation Discrepancies in Shipments," May 1982
- UU. DoD 5100.76-M, "Physical Security of Sensitive Conventional Arms, Ammunition, and Explosives," February 1983, authorized by DoD Directive 5100.76, February 10, 1981
- W. DoD 5200.1-R, "Information Security Program Regulation," June 1986, authorized by DoD Directive 5200.1, June 7, 1982
- WW. Title 49, Code of Federal Regulations, Parts 170 through 179 and 397
- xx. AR 55-355, "Military Traffic Management Regulation," March 1969
- YY. NAVSUPINST 4600.70, "Transportation and Travel - Military Traffic Management Relations," March 1975
- Zz. AFM 75-2, "Military Traffic Management Regulation," March 1969
- AAA. MCO Configuration Management," July 1974
- BBB. DoD 4120.3-M, "Defense Standardization and Specification Program . Policies, Procedures and Instructions," August 1978, authorized by DoD Directive 4120.3, February 10, 1979
- ccc. DoD 5105.38-M, "Security Assistance Management Manual," October 1988, authorized by DoD Directive 5105.38, August 10, 1978
- DDD. AR 702-7, "Reporting of Product Quality Deficiencies Across Component Lines," July 1984
- EEE. AR 700-22, "Worldwide Ammunition Reporting Systems (WARS)," October 1983
- FFF. DoD 5000.12-M, "DoD Manual for Standard Data Elements," October 1986, authorized by DoD Instruction 5000.12, April 27, 1965
- GGG. DoD Directive 4145.19, "Storage and Warehousing Facilities and Services," August 13, 1975
- HHH. MCO 4600.14A, "Military Traffic Regulation," April 1969
- III. DLAR 4500.3, "Explosives Hazard Classification Procedures," March 1981
- JJJ. TB 700-2, "Explosives Hazard Classification Procedures," March 1981
- KKK. NAVSEAINST 8020.8, "DoD Explosives Hazard Classification Procedures," September 1982
- LLL. AFTO 11A-1-47, "Explosives Hazard Classification Procedures," March 1981
- MMM. DLAR 8220.1, "Explosives Hazard Classification Procedures," September 1982
- NNN. AFLC/AFSCR 800-29, "Policies and Procedures for Hazardous Materials Package Certification," April 1983
000. AMC-R 700-103, "Policies and Procedures for Hazardous Materials Package Certification," November 1979

REFERENCES (CONTINUED)

PPP. NAVMATINST 4030.11A, "Policies and Procedures for Hazardous Materials Package Certification," April 1983
 QQQ. DLAR 4145.37, "Policies and Procedures for Hazardous Materials Package Certification," April 1983
 RRR. DoD Instruction 5160.67, "Defense Freight Railway Interchange Fleet (DFRIF)," July 6, 1979
 Sss. AR 725-50, "Requisitioning, Receipt, and Issue System," August 1981
 YYY. NAVSUP PUB 437, "MILSTRIP/MILSTRAP," April 1985
 Uuu. DLAR 4500.14, "Transportation and Management Program," July 1974
 VVV. AFR 71-4, "Preparation of Hazardous Material for Military Air Shipment," March 1976
 WWW. DLAM 4145.3, "Preparation of Hazardous Material for Military Air Shipment," March 1976
 xxx. NAVSUP PUB 505, "Preparation & Handling of Dangerous Materials for Transportation by Military Air Shipments," March 1984
 YYY. MCO P4030.19D, "Packaging and Materials Handling-Preparation of Hazardous Materials for Military Air Shipment," March 1976
 ZZZ. BOE 6000 Series, "Hazardous Materials Regulation of the Department of Transportation by Air, Rail, Highway, Water, and Military Explosives by Water Including Specifications for Shipping Containers"
 AAAA. Title 49 Code of Federal Regulations, Parts 100 through 199
 BBBB. AR 70-44, "DoD Engineering for Transportability," September 1978
 CCCC. OPNAVINST 4600.22B, "DoD Engineering for Transportability," September 1978
 DDDD. MCO 4610.14B, "DoD Engineering Military for Transportability," September 1978
 EEEE. DLAR 4500.25, "DOD Engineering for Transportability," September 1978
 FFFF. MCO 4130.1A, "Configuration Management," July 1974
 GGGG. DLAR 8250.4, "Configuration Management," July 1974
 HHHH. AR 385-40, "Accident Reporting and Records," September 1980
 1111. OPNAVINST 5102.1B, "Mishap Investigation and Reporting," December 1984
 JJJJ. AFR 127-4, "Investigating and Reporting USAF Mishaps," January 1984
 KKKK. DLAR 8200.4, "Quality Assurance Technological Development Program," April 1982
 LLLL. AR 710-1, "Centralized Inventory Management of the Army Supply System," December 1970
 MMMM. AR 11-11 (C), "War Reserves (U)," January 1982
 NNNN. Executive Order 12065, "National Security Information," June 28, 1978
 OOOO. NAVSEAINST C5511.32, "Naval Nuclear Propulsion Information; Safeguarding of," January 1977
 PPPP. DoD Directive 6050.1, "Environmental Effects in the United States of DoD Actions," July 30, 1979
 QQQQ. DoD 7290.3-M, "Foreign Military Sales Financial Management Manual," September 1986, authorized by DoD Instruction 7290.3, June 29, 1981
 RRRR. Arms Export Control Act of 1976
 SSSS. Foreign Assistance P.L. Act of 1961
 TTTT. NAVMATINST 4900.22, "Naval Materiel Command Security Assistance Program and Support Planning Manual," October 1980
 Uuuu. AFR 400-3, "Foreign Military Sales," May 1981

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ACRONYMS AND ABBREVIATIONS

AAA - Army **Ammunition** Activity

AA&E - Arms, **Ammunition**, and Explosives

A&E - Ammunition and Explosives

AAo - Authorized Acquisition Objective

AAP - Army Ammunition Plant

AAw - Anti -Air Warfare

ACA - Air Clearance Authority

ACR - Ammunition Condition Report

AD - Armament Division (Air Force Systems Command)

ADC - Ammunition Data Card

ADL - Automated Data List

ADP - Automated Data Processing

ADPE - Automatic Data Processing Equipment

AD/SD - Armament Division, Armament Systems Directorate

A&E - Ammunition and Explosives

AECA - Arms Export Control Act

AFAO - Approved Force Acquisition Objective

AFLC - Air Force Logistics Command

AFPRO - Air Force Plant Representative Office

AFR - Approved Force Retention

AFRI - Approved Force Retention Increment

AFSC - Air Force Systems Command

AFTOS - Air Force Technical Orders

AIF - Army Industrial Fund

AI IQ - Acquisition Initial **Issue** Quantity

AIRMS - Armament Industrial Readiness Management System

ALC - Air Logistics Center

AMC - U.S. Army Materiel Command

AMCCOM - U.S. Army Armament, Munitions, and Chemical Command

AMMRC - Army Materials and Mechanics Research Center

AMRAD Committee - Armament/Munitions Requirements, Acquisition; and Development **Committee**

ANSI - American National Standard Instruction

AP - Acquisition Plans

APE - Ammunition-Peculiar Equipment

APOI - Abbreviated Plan of Investigation

AQL - Acceptable Quality Level

AR - Army Regulation

ARDC - U.S. Army Armament Research and Development Center

ASA - **Assistant** Secretary of the Army

ASAPP - Armament Systems Automated Production Plan

ASA(RDA) - Assistant Secretary of the Army (Research, Development, and Acquisition)

ASD - Assistant Secretary of Defense

ASDA - Accountable Supply Distribution Activity

ASD(C) - Assistant Secretary of Defense (Comptroller)

ASF - Army Stock Fund

ASI - Additional Skill Identifier

ASPP0 - Armed Services Production Planning Officer

AUTODIN - Automatic Digital Network

BES - Budget Execution System

BII - Basic Item of Issue

BOA - Basic Ordering Agreement

BPI - Bits Per Inch

BPU - Base Production Unit

CAAA - Crane Army Ammunition Activity

CAAP - Conventional Ammunition Acquisition Plan

CAO - Contract Administration Office

CAWCF - Conventional **Ammunition** Working Capital Fund

CBE - **Command** Budget Estimate

CBU - Cluster Bomb Unit

CC - Card Column

CCB - Configuration Control Board

CDR - Critical Design Review

CDRS - Container Design Retrieval System

CFR - Code of Federal Regulations

CG - Commanding General

CI - Configuration Item

CIC - Content Indicator Code

CLIN - Contract Line Item Number

CM - Configuration Management

CMP - Configuration Management Plan

CMS - Care, Maintenance, and Surveillance

COB - **Command** Operating Budget

COBOL - **Common** Business-Oriented Language

COCO - Contractor-Owned, Contractor-Operated

COE - Corps of Engineers

CONUS - Continental United States

CRAMSHIP - Complete Round Ammunition Shipments

CRDD - Customer Required Delivery Date

CRIB - Command Review of Industrial Base

CRS - Contingency Retention Stocks

CSR - Chief of Staff Regulation

CUE - **Common** Use Equipment

DA - Department of the Army

DCAA - Defense Contract Audit Agency

DCAS - Defense Contract Administration Service

DCG - Deputy Commanding General

DCP - Decision Coordinating Papers

DDC - Defense Documentation Center

D/DC - Demurrage/Detention Charges

DDESB - Department of Defense Explosives Safety Board

DE/DUI - Data Elements/Data Use Identifiers

DESCOM - U.S. Army Depot Systems Command

DIC - Document Identifier Code

DID - Data Item Description

DIDS - Defense Integrated Data Systems

DIPEC - Defense Industrial Production Equipment Center

DISREPs - Discrepancies in Shipments

DL - Data List

DLA - Defense Logistics Agency

DLSC - Defense Logistics Service Center

DLT - Decision Logic Table

DMISA - Depot Maintenance Inter-Service Support Agreement

DMS - Defense Materiel System

DMWR - Depot Maintenance Work Requirement

DoD - Department of Defense

DoDAC - Department of Defense Ammunition Code

DoDAAC - DoD Activity Address Code

DoDAAD - DoD Activity Address Directory

DoDIC - Department of Defense Identification Code

DoT - Department of Transportation

DP - Data Package

DPAS - Defense Priorities and Allocation System

DPDO - Defense Property Disposal Office

DPDS - Defense Property Disposal Service

DPS - Defense Priority System

DSAA - Defense Security Assistance Agency

DSACS - Defense Standard **Ammunition** Computer System

DSR - Depot Surveillance Record

DTS - Defense Transportation System

DU I - Data Use Identifier

ECP - Engineering Change Proposal

EDCA - Executive Director for Conventional **Ammunition**

EDN - Element Data Number

EIA - Environmental Impact Assessment

EIS - Environmental Impact Statement

EOD - Explosive Ordnance Disposal

EPA - Environmental Protection Agency

ERS - Economic Retention Stocks

ETA - Estimated Time of Arrival

FAAT - First Article Acceptance Testing

FAR - Federal Acquisition Regulation

FCA - Functional Configuration Audit

FDT - First Destination Transportation

FIFO - First-In, First-Out

FIIG - Federal Item Identification Guide

FMS - Foreign Military Sales

FORTTRAN - Formula Translation

FRS -- Fast Release System

FSC - Federal Supply Classification

FSD - Full-Scale Development

FSED - Full-Scale Engineering Development

FSG - Federal Supply Group

FSN - Federal Stock Number

FY - Fiscal Year

FYDP - Five-Year Defense Program

GA - Grant Aid

GBL - Government Bill of Lading

GFE - Government-Furnished Equipment

GFM - Government-Furnished Material

GFP - Government-Furnished Property

GIM - Gaining Item Manager

GOCO - Government-Owned, Contractor-Operated

GOGO - Government-Owned, Government-Operated

GPLD - Government Property Lost or Damaged

GSA - General Services Administration

HCSDS - Hazardous Component Safety Data Statement

HQ - Headquarters

HQDA - Headquarters Department of the Army

IA/PTO - Item Acquisition/Production Trade Office

IBEA - Industrial Base Engineering Activity

161 - Industrial Base Investment

ICAMP - Integrated Conventional Ammunition Maintenance Plan

ICAPP - Integrated Conventional Ammunition Procurement Plan

ICC - Inventory Category Code

ICP - Inventory Control Point

IDS - Intrusion Detection System

IDT - Inactive Duty Training

IIC - Installation Identity Code

ILP - International Logistics Program

ILS - Integrated Logistics Support

ILSDP - International Logistics Supply Delivery Plan

IM - Inventory Manager/Item Manager

IMDCGC - International Maritime Dangerous Cargo Goods Code

1P - Industrial Preparedness

IPD - Issue Priority Designator

IPE - Industrial Plant Equipment

IPF - Initial Production Facilities

IPMs - Industrial Preparedness Measures

IPP - Industrial Preparedness Planning

IPPL - Industrial Preparedness Planning List

IPR - In-Process Review

ISEA - In-Service Engineering Activity

1S1 - Initial Support Increment

JAG - Judge Advocate General

JCAP - Joint Conventional Ammunition Program

JCAP/CG - Joint Conventional **Ammunition** Program Coordinating Group

JCAP/EC - Joint Conventional **Ammunition** Program Executive Committee

JCAP/EX - Joint Conventional Ammunition Program Executive Director

JCAPPS - Joint Conventional Ammunition Policies and Procedures

JCS - Joint Chiefs of Staff

JDA - Joint Deployment Agency

JILSAA - Joint Inter-Service Logistics Support Agreement for **Ammunition**

JLC - Joint Logistics Commanders

JOCG - Joint Ordnance **Commanders** Group

JOCG-EC - Joint Ordnance Commanders Group Executive **Committee**

LAP - Load, Assemble, and Pack

LOA - Letter of Offer and Acceptance

LOI - Letter of Instruction

LOR - Letter of Request

LRIP - Low Rate Initial Production

LSSA - Logistics Support Systems Activity

M-day - Mobilization Day

M&E - Modernization and **Expansion**

MAAG - Military Assistance **Advisory** Group

MAC - Military Airlift Command

MANTECH - Manufacturing Technology

MAP - Military Assistance Program

MBE - Multiple Bid Evaluation

MCP - Maintenance Certification Period

MDC - Magazine Data Card

MHE - Materials Handling Equipment

MICOM - U.S. Army Missile **Command**

MIDP - Major Item Distribution Plan

MILSCAP - Military Standard Contract Administration Procedure

MIL-STD - Military Standard

MILSTAMP - Military Standard Transportation and Movement
Procedures

MILSTEP - Military Supply and Transportation Evaluation
Procedures

MILSTRAP Military Standard Transaction Reporting and
Accounting Procedures

MILSTRIP - Military Standard Requisitioning and Issue Procedures

MIPR - Military Interdepartmental Purchase Request

MIS - Management Information System

MISO - Maintenance Inter-Service Support Office

MM&T - Manufacturing Methods and Technology

MOA - Memorandum of Agreement

MOD/EXP - Modernization/Expansion

MOE - Major Organization Entity

MOT - Military Ocean Terminal

MOU - Memorandum of Understanding

MPBMA - U.S. Army Munitions Production Base Modernization Agency

MPQ - Minimum Procurement Quantity

MPTS - Metal Parts

MRC - Materiel Release Confirmation

MRD - Materiel Release Denial

MRO - Materiel Release Order

MSC - Military Sealift Command

MSR - Minimum Sustaining Rate

MT - Manufacturing Technology

MTAG - Manufacturing Technology Advisory Group

MTMC - Military Traffic Management Command

MTMIS - Manufacturing Technology Management Information System

MTMR - Military Traffic Management Regulation

NAD - Naval Ammunition Depot

NALC - Navy Ammunition Logistics Code

NATO - North Atlantic Treaty **Organization**

NAVAIR - Naval Air Systems Command

NAVPRO - Navy **P**lant Representative Office

NAVSEA - Naval Sea Systems Command

NAVSUP - Naval Supply Systems **Command**

NCR - National Capital Region

NICP - National Inventory Control Point

NIIN - National Item Identification Number

NIMSC - Nonconsumable e Item Materiel Support Code

NOS - Naval Ordnance Stations

NSN - National Stock Number

NWS - Naval Weapons Station

NWSC - Naval Weapons System Center

OASD(C) - Office of the Assistant Secretary of Defense
(Comptroller)

OB - Operating Budget

OBE - Operating Budget Estimate

OCONUS - Outside Continental United States

ODC - Office of Defense Cooperation

OHMR - Office of Hazardous Materials Regulation

O&M - Operation and Management

OO-ALC - Ogden Air Logistics Center

OPLAN - Operations Plan

OPR - Office of Primary Responsibility

OPSEC - Operations Security

OSD - Office of the Secretary of Defense

OSD(P&L) - Office of the Secretary of Defense (Production and Logistics)

OHMR - Office of Hazardous Materials Regulation

OSHA - Occupational Safety and Health Administration

OT&E - Operational Test and Evaluation

PAA - Procurement of Ammunition, Army

PAS - Preaward Surveys

P&A - Price and Availability

PB - Production Base

PBA - Production Base Analysis

PBMA - Production Base Modernization Agency

PBMH - Production Base Managers Handbook

PBOS - Production Base Out-Year Studies

PBP - Production Base Plan

PBS - Production Base Study

PCA - Physical Configuration Audit

PCAM - Punch/Card Accounting Machine

PC&H - Packing, Crating, and Handling

Pco - Principal Contracting Officer

Pcs - Permanent Change of Station

PDIP - Program Decision Increment Package

PDO - Property Disposal Office

PDP - Procurement Data Package

PDR - Preliminary Design Review

P&E - Propellants and Explosives

PE&P - Productibility Engineering and Planning

PEP - Plant Equipment Package

PHST - Packaging, Handling, Storage, and Transportation

PICA - Primary Inventory Control Activity

PIP - Product Improvement Proposal

PMP - Program Management Plans

PMR - Prepositioned Materiel Receipt

PMRC - Prepositioned Materiel Receipt Card

PMRD - Prepositioned Materiel Receipt Document

Poc - Point of Contact

POE - Point of Embarkation

POM - Program Objective Memorandum

POPO - Privately-Owned, Privately-Operated

Pos - Product-Oriented Survey

PPBS - Planning, Programming, and Budgeting System

PPGM - Planning and Programming Guidance Memorandum

PQA - Procurement Quality Assurance

P&R' - Planning and Review

PRR - Production Readiness Review

PSH&T - Packaging, Shipping, Handling, and Transportation

QA - Quality Assurance

QALI - Quality Assurance Letter **of** Instruction

QAR - Quality Assistance Requirement

QDC - Quantity/Distance Class

QDR - Quality Deficiency Report

RCS - Reports Control Symbol

R&D - Research and Development

RDD - Required Delivery Date

RD&E - Research, Development, and Engineering

RDP - Reference Data Package

RDT&E - Research, Development, Test, and Evaluation

R&ED - Research and Exploratory Development

REPSHIP - Report of Shipment

RIC - Routing Identifier Code

RIN - Routing Instruction Number

RM - Replacement and Modernization

ROC - Required Operational Capability

ROD - Report of Discrepancy

S-day - Surge Day

SA - Small Arms

SAAC - Security Assistance Accounting Center

SAAM - Special Assignment Airlift Mission

SAL - Standing Approval List

SAPDO - Special Account Property Disposal Officer

SARC - Systems Acquisition Review Council

SB - Supply Bulletin

SCA - Stock Control Activity

SCG - Storage Compatibility Group

SDPDA - Special Defense Property Disposal Account

SDS - Standard Depot System

SDT - Second Destination Transportation
SECDEF - Secretary of Defense
SF - Standard Form
SICA - Secondary Inventory Control Activity
SIDC - Storage Item Data Correction
SIL - Surge Item List
SMCA - Single Manager for Conventional Ammunition
SPCC - Ships Parts Control Center
SPN - Shipment Performance Notice
SPOC - Single Point of Contact
SPP - Surge Production Plan
SRAM - Short Range Attack Missile
SRO - Standing Route Order
STINFO - Scientific and Technical Information
SWDC - Stock Withdrawal Credits
TAC - Transportation Account Code
TAMMS - The Army Maintenance Management System
TB - Technical Bulletin
TCN - Transportation Control Number
TD - Transition Date
TDP - Technical Data Package
TDY - Temporary Duty
TIR - Transaction Item Report
TM - Technical Manual
TO - Technical Order

TOR - Terms of Reference

TP - Transition Plan

TPTG - Transition Planning and Tracking **Group**

UFC - Unit-Funded Cost

UI - Unit of Issue

UIC - Unit Identification Code

UMMIPS - Uniform Materiel Movement and **Issue** Priority System

USA - U.S. Army

USAF - U.S. Air Force

USMC - U.S. Marine Corps

USN - U.S. Navy

VE - Value Engineering

VECP - Value Engineering Change Proposal

VHSIC - Very High Speed Integrated Circuit

WARS - Worldwide **Ammunition** Reporting System

DEFINITIONS

1. Accountability. The obligation imposed by law, lawful order, or regulation of an officer or other person for keeping accurate records of property, documents, or funds. The person having this obligation may or may not have actual possession of the property, documents, or funds. Accountability concerns primarily records, while responsibility concerns primarily custody, care, and safekeeping (also see "responsibility").

2. Accountable Activity. The activity responsible for maintaining the financial or custodial accountable records for ammunition in storage. Financial accountability for **SMCA-managed** items is the **responsibility** of the owning Military Service. For items assigned to the **SMCA**, **AMCCOM** is the custodial accountable activity. For **non-SMCA** items, the owning Military Service is the accountable activity for custodial and financial matters.

3. Acquisition. The act of obtaining by purchase or producing.

4. Agent/Storing Military Service. The agent and storing Military Service are synonymous as used in this Manual. Both terms refer to specific Military Service central points of contact for executing the logistic functions outlined in this Manual.

5. Air Force Technical Orders (AFTOs). Air Force instructions that provide the technical information and instructions to **operate**, install, maintain, inspect, or modify Air Force systems and equipment. Technical Order 11A-1-42 provides the instructions for disposal of unserviceable, serviceable excess, or obsolete munitions and explosive items except for nuclear or hazardous items.

6. Ammunition Activity. An **ammunition** plant satellite on an installation of another command or Military Service.

7. Ammunition Data Card (ADC). DD Form 1650, "Ammunition Data Card," is an easily referenced record of the initial history of a lot of ammunition and explosive materiel or of a serially numbered complete round guided missile. It contains all required data on each lot of the item (**MIL-STD-5167B**, paragraphs 1. and 3.3.2.2.).

8. Ammunition-Peculiar Equipment (APE). Items of equipment or equipment systems designed, tested, fabricated, procured, and approved as standard items used for ammunition operations involving storage, surveillance, maintenance, packaging and preservation, renovation, and demilitarization.

DEFINITIONS, continued

9. Ammunition Plant. A military installation whose primary mission is the manufacture or the loading, assembling, and packing of **ammunition** end items or components. An ammunition plant may or may not have receipt, storage, surveillance, and issue functions for wholesale inventories.

10. Arsenal. An installation whose primary mission is the manufacture of assigned materiel; the support of related **RD&E** activities; and the receipt, storage, surveillance, and issue of those supplies and equipment it manufactures.

11. Authorized Acquisition Objective (AAO). The quantity of an item authorized for **peacetime** acquisition to **equip** the U.S. **Army**-approved force and specified **allies** in peacetime," and sustain these forces in wartime from D-day through the period and at the level **of** support prescribed by the latest OSO Materiel Support Planning Guidance. The AAO is the gross requirement minus the production offset.

12. Budget Estimate Forecast. An annual work load forecast for the program year. It is summarized by fiscal quarters and projects work load requirements for any given program year. The program year is the second FY following the current year.

13. Bulk Explosives. Any quantity of categories **1-4** explosives used for the loading or manufacturing a munition, including rapid burn or explosive propellant.

14. Classified Information. Official information that has been determined to require, in the interests of national security, protection against unauthorized disclosure and that has been so designated.

15. Common Item. An ammunition item that is employed operationally by more than one Military Service.

16. Common Servicing. That function performed by one Military Service in support of another Military Service for which reimbursement is not required from the Military Service receiving support.

17. Concealed Shortage. A shortage revealed upon opening a package or container in which the full quantity was assumed upon receipt. It includes **lite** or filler boxes located in the center of pallet packs where the markings are not visible.

18. Constructive Delivery. Occurs on the date an authorizing official of the losing agency signs a statement on the appropriate shipping document or list of material showing transaction from the losing agency and account identification to the receiving agency and account classification.

DEFINITIONS, continued

19. Contaminant. Any reactive material (such as explosives, propellants, or pyrotechnics), radioactive materials, acid or corrosive materials, toxic substances, chemical agents and munitions, or their by-products.

20. Contaminated. The status of an item that has been in contact with or exposed to a contaminant.

21. Contaminated Area. The area within which the contaminant is contained. Examples include the inside compartments of a laboratory glove box; a single room within a building; an entire building or group of buildings with associated services such as drains, **sumps**, exhaust units, ramps, or a narrow gauge railroad; open terrain, such as test and demolition areas; or a vehicle.

22. Controlled Inventory Items. Those items designated as having characteristics that require they be identified, accounted for, secured, segregated, or handled **in** a special manner to ensure their safeguard or integrity. Controlled inventory items, in descending order of control, normally used are as follows:

a. Classified Items - Physically Secure Items. Materiel requiring protection in the interest of national security.

b. Sensitive Items. Materiel that may be **stolen** and used in civil disturbances, thus requiring extensive protection and control during the materiel life cycle.

c. Pilferable Items. Materiel having a ready resale value or civil application and, therefore, especially subject to theft.

23. Conventional Ammunition. As defined in DoD Directive 5160.65, conventional ammunition includes the following (assigned for management by the **SMCA**) and other ammunition, explosives, and components in FSC group **13** not specifically excluded in the Directive:

a. Small arms, mortar, automatic cannon, artillery, and ship gun **ammunition**.

b. Bombs (cluster, fuel air explosive, general purpose, and incendiary).

c. Unguided rockets, projectiles, and **submunitions**.

d. Chemical ammunition with various fillers (incendiary, riot control, smoke, toxic agents, burster igniters, peptizers, and thickeners for flame fuel).

e. Land mines (ground-to-ground and air-to-ground delivered).

DEFINITIONS, continued

- f. Demolition materiel.
- g. Grenades.
- h. Flares and pyrotechnics.
- i. All items included in the foregoing, such as explosives, propellants, chemical agents, cartridges, propelling charges, projectiles, warheads (with various fillers, such as high explosive, illuminating, incendiary, **antimateriel**, and anti personnel), fuzes, boosters, and safe and arm devices, in bulk, combination, or separately packaged items of issue for complete round assembly.
- j. Related ammunition containers, packing, and packaging materials.

24. Cross-Servicing. That function performed by one Military Service in support of another Military Service for which reimbursement is required from the Military Service receiving support.

25. Custodial Accountability. The maintenance of data elements in the wholesale conventional ammunition inventory record to reflect, by ownership code, the receipt, issue, balance, and such other quantitative and financial data determined by the SMCA as the minimum essential for proper control and management of Military Service-owned stocks **comingled** in storage.

26. Custodial Record. A record maintained by the storage activity, reflecting standard catalog data, onhand quantity by condition code, and ammunition lot or serial number (when applicable), and which displays an audit trail (transaction history) by owner or manager for the purpose of controlling assets in storage and as an inventory aid.

27. Customer. The U.S. Government activity representing a U.S. Government Military Service, other U.S. Government Federal customer, or foreign governments; a foreign government dealing directly with the SMCA.

28. Data. A representation of facts, concepts, or instructions in a **formalized manner** suitable for communication, interpretation, or processing by humans or by automatic means. Any representations such as characters or analog quantities to which meaning is or might be assigned.

29. Data List (DL). A DL or automated data list (ADL) is a tabulation of all engineering drawings; documents referenced thereon; associated parts lists; and special lists, specifications, and subordinate DLs pertaining to the item to which the DL applies.

DEFINITIONS, continued

30. Data Package (DP). All the material supplied under the ADL or DL for the purpose intended. DPs for procurement action are referred to as Procurement Data Packages (**PDPs**) and contain all drawings, specifications, and supplemental data needed to perform a contracting action. DPs for planning purposes are referred to as Reference Data Packages (**RDPs**) and contain drawings and specifications that are current enough to allow accurate planning.

31. Data System. Combination of personnel efforts, forms, formats, instructions and procedures, data elements and related data codes, communications, and data processing equipment providing an organized and interconnected means, either automated, manual, or a mixture of these, for recording, collecting, processing, and communicating data.

32. Decontamination. The process of making any person, object, **or** area safe by absorbing, destroying, neutralizing, making **harmless, or** removing chemical or biological agents, or by removing radioactive material clinging to or around it. The words "decontamination" and "decontaminated" should be used with other words, such as "degree of," "partial," "partially," "complete," or "completely," to ensure the person receiving information does not assume a contaminant has been removed completely when it may have been only removed partially.

33. Delinquent. A condition that occurs when the delivery date agreed to between the customer and HQ **AMCCOM** has not been met or necessary billing has not been accomplished in the allotted number of days.

34. Demilitarization. The act of destroying the offensive or defensive characteristics inherent **in** certain types of equipment and material including mutilation, dumping at sea, scrapping, burning, washout, steamout, incineration, or alteration, designed to prevent further use for its originally intended military or lethal purpose.

35. Department of Defense Ammunition Code (DoDAC). The first half consists of four numerals that form the FSC in FSGS 13 and 14. The second half usually consists of a letter and three numerals assigned to an ammunition generic description within the supply class.

36. Department of Defense Identification Code (DoDIC). Usually consists of one letter and three numerals assigned to an **ammunition** generic description within the supply class.

37. Depot. An activity for the receipt, classification, storage, accounting, issue, maintenance, procurement, manufacture, assembly, research, salvage, or disposal of materiel.

38. Depot Activity. An activity that has the primary function of the receipt, storage, and issue of slow moving supplies. It is organized and staffed on an austere basis and is satellite on a depot for **command**, normal base operations, and overhead functions.

DEFINITIONS, continued

39. Depot Maintenance Interservice Support Agreement (DMISA). A "contract" wherein one Military Service (agent) agrees to accomplish depot level maintenance for another Military Service (principal).
40. Depot Operations. Those operations and functions performed by a depot in support of its ammunition mission.
41. Developing Military Service. The Military Service responsible for the **RDT&E**, **LRIP**, and logistics support of a conventional **ammunition** item.
42. Developing Military Service's Logistics Command. The command or element of the developing Military Service (or Lead Military Service for a joint development program) responsible for management of the operational portion of the acquisition life "cycle."
43. Developing Military Service's R&D Command. The command or element of the developing Military Service (or Lead Military Service for a joint development program) responsible for the **RDT&E** and **LRIP** portions of the acquisition life cycle.
44. Disposable Assets. Ammunition or components authorized for disposal according to current directives and for which accountability has been transferred to the **SDPDAs**, DPDO accounts, or plant clearance accounts of contractor-operated facilities.
45. Disposal. The act of getting rid of excess, unserviceable, obsolete, or surplus property, records or documents. Disposal may be accompanied by transfer, donation, sales, abandonment, or destruction, but does not include redistribution.
46. Distribution. For the purposes of this Manual, distribution is defined as the logistics process related to the pattern of materiel dispersion throughout the DoD supply system. Physical accomplishment of materiel handling and transporting is not construed to be distribution.
47. Distribution Planning. Any method or technique that provides for a systematic deployment or dispersion of materiel. Distribution planning is accomplished through a coordinated effort between logistics elements of the Military Services and includes quantitative requirements, force deployment, transportation economics and capabilities, storage availability, and priority of need.
48. End Item. A final combination of end products, component parts, and materials that is ready for its intended use.
49. Environmentally Acceptable Means of Disposal. Any method of ammunition demilitarization and disposal that meets or exceeds the most restrictive legal constraints of the jurisdiction in which the **ammunition** demilitarization and disposal takes place.

DEFINITIONS, continued

50. Expansion. The addition of facilities that either creates a new industrial plant or augments the capacity of an existing plant, when justified by expanding current requirements or increased mobilization requirements. This capacity can be in R&D, maintenance, or production activities. An expansion of an ammunition production facility usually incorporates the best manufacturing technology; therefore, modernization also is associated with expansion.

51. Expansion Planning. Planning for emergency production, maintenance, modification, overhaul, or repair of an item by any source, when the increased production schedule depends on the acquisition of additional facilities. Planned schedules that depend on the use of Government-owned production equipment earmarked by the acquisition activity for post-M-day delivery are excluded from this definition.

52. Facilities. As used in this Manual, facilities are industrial property (other than material, special tooling, special test equipment, and military property) for production, maintenance, research, development, or test. Facilities include real property and rights therein, buildings, structures, improvements, and plant equipment.

53. Facilities Project. A formal proposal for establishment, expansion, reactivation, or other change of facilities.

54. FE-5 Fencing. Number 9-gauge, or heavier, chain link construction with mesh openings not larger than 2 inches per side, with no top guard, as specified in the Office of the Chief of Engineers Drawing No. 14-16-08, Sheet 1 of 1, Fence and Details FE-5, FE-6, FE-7, March 15, 1961 (revised April 15, 1962, and November 24, 1964).

55. Financial Property Accounting. The establishment and maintenance of property accounts in monetary terms; the rendition of property reports in monetary terms.

56. Five-Year Defense Plan. The Five-Year Defense Plan is formulated annually and **summarizes** the SECDEF-approved plans and programs.

57. Five-Year Defense Program (FYDP) Forecast. An annual forecast, **summarized** by FY, that projects the work load requirements for 3 FYs beyond the program years.

58. Full-Scale Development. The phase of development during which the design, fabrication, and testing are completed and the costs are assessed to ensure the program is ready for the full-scale production phase. The output is the required documentation to enter the production phase.

DEFINITIONS, continued

59. Full-Scale Engineering Development (FSED) Decision. The decision, made at the Military Service or DoD acquisition review council **II** level (Milestone II) of the acquisition life cycle, to proceed into full-scale development of a system once demonstration has been verified that the chosen system design concept(s) is sound and the risks are acceptable.

60. Full-Scale Production. Production in sufficient quantities to meet Military Service requirements, the materiel and technical documentation having been approved for Military Service use and the **productibility** of the design proved by low rate initial production.

61. Full-Scale Production Decision. Decision by the Military Service to enter into full scale production after satisfactory completion of low rate initial production.

62. Functional Configuration Audit. The formal **examination** of functional characteristics test data for a configuration item, to verify that the item has achieved the performance specified in its functional or allocated configuration identification.

63. Government Property. All property owned by or leased to the Government or acquired by the Government under the terms of a contract. Government property includes both Government-furnished and contractor-acquired property as defined below:

a. Government-furnished property. Property in the possession of, or acquired directly by, the Government and subsequently delivered, or otherwise made available, to the contractor.

b. Contractor-acquired property. Property procured or otherwise provided by the contractor for the performance of a contract, title to which **is** vested in the Government.

64. Handling. Includes methods, techniques, and equipment for, as well as the act of, handling incoming explosives, materials, and other components used in the production of **ammunition** end items; handling from the end of the production line through the **outloading** process either through plant storage or directly to carrier equipment; and intermediate handling at depots and terminals in the CONUS and overseas.

65. Handling and Transportation Safety. This consists of developing and implementing methods, techniques, equipment, standards and specifications required to protect bulk propellants and explosives, parts and other components, and ammunition end items during handling and movement throughout the commodity life cycle. This includes the provision for technical escorts or EOD teams as required when an accident or incident in the movement of hazardous materials occurs.

DEFINITIONS, continued

66. Handling and Transportation Security. This consists of ~~applying~~ federal policies and procedures prescribed by the DoT, Interstate **Commerce** Commission, Department of Defense, and the Military Services and Logistics commands, and of developing and implementing appropriate supplemental methods, techniques, equipment standards, and specifications by the **commands** with ammunition missions. It also includes appropriate provisions for guards and other security safeguards to ensure the security of classified or sensitive shipments.

67. Hardened Magazine. Structures approved for the storage of ammunition or explosives (such as **earthcovered** igloos, or Richmond-type hollow tile) that have the following features:

- (a) Openings screened with security mesh.
- (b) Steel-covered doors with secured hinges.
- (c) High security padlock on main door; other doors secured from outside.
- (d) **Installed** and operating IDS.

68. Hot or Warm Base. A planned producer's manufacturing facility that is producing, or will be producing, the planned item when M-day or S-day occurs. (NOTE: Various degrees of the hot ~~or~~ warm base may exist, such as production at maximum or minimum sustaining rates or single or **multishift** production.)

69. Industrial Base. The privately-owned and Government-owned industrial production capacity of the United States, its territories and possessions, and Canada, which is or will be made available during emergencies for the manufacture, maintenance, modification, overhaul, or repair of items required by the U.S. Armed Forces and selected allies.

70. Industrial Components. Components stored by production facilities for use in load, assemble, and pack (LAP) operations.

71. Industrial Plant Equipment (IPE). Plant equipment (**DIPEC** reportable) with an acquisition cost of **\$3**,000 or more at GOGO facilities and \$5,000 or more at GOCO and COCO facilities and used for the purpose of cutting, abrading, grinding, shaping, forming, joining, testing, measuring, heating, treating, or otherwise altering the physical, electrical, or chemical properties of materials, components, or end items entailed in manufacturing, maintenance, supply, processing, assembly, or R&D operations. All **IPE** is identified by noun name in Joint DoD Handbooks as listed in DoD FAR Supplement 45.301.

72. Industrial Preparedness Measure (1PM). An action designed to shorten post-M-day or S-day lead time or to increase production or repair capacity for planned items.

DEFINITIONS, continued

73. Industrial Preparedness Planning (IPP). Planning designed to maintain an adequate industrial base to produce essential materiel to support the national defense objectives.

74. Industrial Preparedness Planning List (IPPL). Items selected by each DoD Component for IPP. The IPPL consists of major weapons systems, principal items, and components.

75. Industrial Stock. Components, parts, assemblies, subassemblies, raw materials, explosives, chemicals, packaging material, and any other material on hand at an industrial-type processing complex for the purpose of manufacturing or assembling another item.

76. Installation Commander. For purposes of this Manual, the installation commander is the **commander** or the commanding officer's representative.

77. Inventory Control Point (ICP). The supply activity assigned the primary supply management responsibility for a given item of supply.

78. Inventory, Scheduled. A **physical** inventory that is to be conducted on a group of items within a specified period of time and according to an established plan.

79. Inventory, Selected Item. An unscheduled physical inventory accomplished for a given NSN or other identified item (such as validation of a backordered item).

80. Inventory, Special. A scheduled physical inventory of a specific item(s) as a result of a special requirement generated by location audit reconciliation, preprocurement, or any other reason deemed appropriate by the accountable supply distribution activity (**ASDA**).

81. Inventory, spot. An unscheduled physical inventory required to be **accomplished** as a result of a total or **partial** material release denial.

82. Items of Issue. Material that may be issued to the user.

83. JCAP Standard Terms. Basic units of information defined in the interest of facilitating communication among the Military Services.

84. Layaway. The process of retaining and storing industrial facilities no longer required to support current production, but required to support approved forces" **in** an emergency.

DEFINITIONS, continued

85. Location Audit Program. The location audit program consists of actions required to ensure compatibility between assets in storage and locator and accountable records. This program is accomplished in two phases:

a. Location Survey. A physical verification, other than actual count, between actual assets and recorded location data to ensure all assets are recorded properly as to location, identity, condition, and unit of issue.

b. Location Audit Reconciliation. A match between **valid** location records and the accountable records to identify and correct situations when items are in physical storage but not on record, on record but not in storage, or when common elements of data (other than quantity) do not match. Research of mismatches, including special inventories, when required, result in corrective action.

86. Locator Record Accuracy. A measure of the results of the location survey conducted as part of the location audit program. Discrepancies are classified as locator record kill, locator record establish, and changes to elements of recorded data. Only one error **is** charged when more than one discrepancy (locator kill, locator establish, or locator record correction) is required for the same location. **In** such cases, when the NSN of recorded data and actual assets differ, it shall be classified as a locator establish action only. The total of these discrepancies is measured as a result of locations surveyed.

87. Locator Record Correction. The term used to denote changes to the locator record when physical asset identification characteristics differ on other than NSN and location elements, such as unit of issue (**UI**) or condition. These actions are as a result of the location audit program.

88. Locator Record Established. The term to denote the recording of locations when assets are found physically in storage and no locator records exist, and when recorded locator data disagree with materiel in either location or NSN elements. These actions are a result of location survey.

89. Locator Record Killed/Deleted. The term used to-denote the removal or change of a locator when the recorded location **disagrees with** materiel in **NSN or** location data elements or when there is a **recorded** location but no physical assets, unless the location is being held open for new receipts. These actions are as a result of the location survey.

90. Locking Devices (Approved):

a. ~~Padlocks~~, military specification (MIL-P-43607[GL], High Security **Padlock**), with any of the following stock numbers:

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(1) NSN 5340-00-799-8016 (open shackle with **clevis** and chain).

(2) NSN 5340-00-799-8248 (shrouded shackle with **clevis** and chain).

b. Padlocks, military specification 17802-B (secondary padlocks), having a hardened steel shackle and body of the following numbers:

(1) NSN 5340-00-158-3807 (with chain).

(2) NSN 5340-00-158-3805 (without chain).

c. Combination locks that are integral parts of a vault door designed to provide protection against forced entry.

d. Standard-type commercial padlocks and hasps: Locks used shall be of a type that meets **MIL-P-17802B** or **MIL-P-43607(GL)**, as amended. Hasp shall be high security type. Standard-type commercial padlocks shall not be used to secure buildings, areas, or vehicles housing sensitive items.

91. Logistics Support Phase. This begins with the introduction of ammunition components and end items into the supply system and ends with the elimination of those components or end items by use or demilitarization and disposal.

92. Low Rate Initial Production (LRIP). Production of a conventional ammunition item on **tooling** that is at least representative of that to be used in full-scale production, sufficient to verify producibility, complete first article and initial production tests, and validate the technical data package.

93. Maintenance. For clarity, this term is subdivided into two categories as follows:

a. Major. (Referred to in this Manual as maintenance.) Normally includes renovation, conversion, modification, reclamation, refurbishment, and remanufacture of serviceable or unserviceable assets. It normally requires replacement of components other than packaging material.

NOTE: The major maintenance functions stated in this definition may differ slightly among Military Services due to the peculiarities of work accomplishments. Strict commonality of functions is not necessary since these services are performed on a reimbursable basis (cross-servicing).

b. Minor. (Referred to in this Manual as preservation" and packaging.) Normally includes cleaning, painting, repackaging, **restenciling**, and derusting (exterior maintenance normally associated with

DEFINITIONS, continued

condition code E) performed by the storing agent on a **nonreimbursable** basis (common servicing).

94. Manufacturing Methods and Technology (MM&T) Project. **MM&T** projects are procurement funded. These projects normally are **broad-**based in application; production oriented, even when performed in a prototype environment; and expected to result in a practical process for production.

95. Manufacturing Technology (Mantech). Any action undertaken that has as its objectives (a) the timely establishment or improvement of the manufacturing process, "technique, or equipment required to support current and projected programs, and (b) the assurance of the ability to produce, reduce lead time, ensure economic availability of end items, reduce costs and use of strategic/critical materials, increase process and energy use efficiency, improve reliability, and enhance safety-and antipollution measures.

96. Manufacturing Technology Effort. The development or improvement of manufacturing processes, techniques, and equipment by the Government or private industry to provide for timely, reliable, and economical manufacturing of DoD materiel. The objectives are to bridge the gap between the feasibility and full-scale production efforts, and to achieve parity between manufacturing technology and R&D advances that will smooth the translation of system design criteria into reliable production hardware. The efforts may include the application of new or improved techniques or equipment to manufacture specific weapon systems, components, end items, or prototypes, and may be funded as part of the specific weapon system program involved. Manufacturing technology efforts also may provide engineering support to the modernization of the industrial production base to provide for improved capability to meet military contingencies. These efforts normally are broad based in application, are production oriented (even when performed in a prototype environment), and are expected to result **in a** practical process for production.

97. Materiel Release Denial. A notification from a distribution activity advising the originator of a materiel release order or a referral order of failure-to ship all or part of the quantity originally ordered because of lack of stock, lack of proper shelf life, condition change, or item identification, excluding disposal release orders.

98. M-Day/S-Day. The terms used to designate the day on which mobilization or surge is to begin.

99. Minimum Procurement Quantity (MPQ). For budgeting purposes, the lowest annual procurement quantity that can be acquired without a program cost more than 20 percent above that associated with 1-8-5 operations. For acquisition purposes, the lowest quantity that a known vendor has offered to produce.

DEFINITIONS, continued

100. Minimum Sustaining Rate (MSR). The lowest production rate at which a plant can retain economically its production or maintenance capability and critical skills for planning item(s).

101. Mobilization. The act of preparing for war or other emergencies through assembling and organizing national resources; the process by which the Armed Forces, or part of them, are brought to a state of readiness for war or other national emergency. This includes assembling and organizing personnel, supplies, and materiel for active Military Service.

102. Mobilization Depot Work Load Forecast. A forecast, summarized by month, projecting the mobilization work load requirement for 6 months following M-day. Submission is on even FYs.

103. Mobilization/Surge Production Requirement. The quantity of an item, expressed as a rate (on a monthly basis), which must be produced to meet military requirements.

104. Mobilization/Surge Production Schedule. A planned schedule of production with a specific source for an item (or for a group of selected items) that has been validated by the designated ASPPO or appropriate acquisition activity.

105. Modernization. A broad term denoting the improvement of industrial facilities through replacement, modification, rearrangement, or addition of capability to achieve economic, quality, time, or safety advantages. Under this program, a partial or complete new **system-**engineered production line or process, incorporating the best manufacturing technology, replaces an obsolete or uneconomical facility. This may improve readiness, abate pollution, or correct OSHA deficiencies. Modernization does not replace restoration and replacement projects for current production support, although it might achieve such a goal incidentally.

106. National Emergency. A condition, declared by the President or the Congress by virtue of the powers previously vested in them, that authorizes certain emergency actions to be undertaken in the national interest. Actions to be taken may include partial or total mobilization of national resources.

107. National Stock Number (NSN). A number assigned under the Federal Cataloging Program to each approved U.S. Federal Item Description. It consists of the four-digit FSC and the nine-digit **NIIN**.

108. Newly Developed Items. For the purpose of this Manual, newly developed items include, in addition to all items undergoing full-scale development, any existing items already assigned or transitioned to the

DEFINITIONS, continued

SMCA that require design improvement to the extent that proposed design changes require new development effort and TDP changes before full-scale production is reinitiated.

109. Non-SMCA Item. Any ammunition item defined in DoD Directive 5160.65, enclosure 2, paragraph 1b., as not assigned to the **SMCA**.

110. Operating Budget (OB). Those funds issued through DoD channels that represent funding for current (execution) year programs.

111. Operating Budget Estimate (OBE). The budgetary document submitted one year (budget year) in advance of OB, as revised. The OBE converts to OB with funding of the execution year.

112. Operating Budget Forecast. An annual work load forecast for the first year following the current FY, summarized by fiscal quarters, that **will** project the work load requirement.

113. Operating Hours. Refers to the time that structures are physically occupied by operating personnel.

114. Packaging. All the techniques and devices required to prepare ammunition for distribution. Included in this definition are corrosion prevention techniques and materials, containers, marking (other than end item marking), shock isolation peculiar to the distribution environment, and techniques and materials for assembly into unit loads capable of delivery to the user. Excluded are integral protective techniques or markings that remain with the ammunition items to its target. Designers must take into account that certain markings, normally used only as a part of packaging, may have to be applied permanently to the item if that item is not enclosed completely in a container incident to packaging (for example, **palletized** bombs).

115. Parts List. A parts list is a tabulation of all parts and bulk materials (except those materials that support a process) used in the item to which the list applies. Reference documents also may be tabulated on a parts list and are mandatory where previous experience indicates the necessity. A parts list may be provided that permits easy determination of end item by part number and number required per unit.

116. Peculiar Materiel. That materiel used by the owning Military Service, but not by the storing Military Service.

117. Physical Configuration Audit. The formal examination of the "as built" configuration of a configuration item against its technical documentation in order to establish or verify the configuration item's product configuration identification.

DEFINITIONS, continued

118. Physical Segregation. A process of segregating materiel **according** to such identifiers as stock number, **DoDIC**, lot number, **condition** code, or serial number. Segregation normally is accomplished at time of receipt; however, it may be accomplished for materiel previously stored.

119. Physical Separation. A condition in storage wherein an intervening **space** separates materiel into two or more distinct locations. **Separation** may be accomplished for item, lot, identification, condition, or compliance with storage criteria.

120. Planned Producer. An industrial firm or Government-owned facility (either Government-operated or contractor-operated) that has indicated its willingness to produce, maintain, modify, overhaul, or repair specified military items, including critical components, under IPP procedures.

121. Plant Equipment Package (PEP). A complement of active and idle machine tools and other industrial manufacturing equipment held by and under the control of the Department of Defense and approved by a Military Department or Defense Agency for retention to produce particular defense materiel or defense supporting items at a specific level of output if a surge or mobilization emergency occurs.

122. Post Award Conference. A meeting between contractor and Government personnel after award of **a** contract to clarify contract requirements and resolve misunderstandings. (Source: FAR 42.503.)

123. Post Inventory Transaction. Any transaction causing an increase or decrease to accountable stock records dated after the established physical inventory cutoff date.

124. Preaward Survey. An evaluation of a prospective contractor's capability-to perform under the terms of a proposed contract. (Source: FAR 9.106.)

125. Preinventory Transaction. Any transaction causing an increase or decrease to accountable stock records dated before the established physical inventory cutoff date.

126. Preservation and Packaging. Those minor common service operations performed by a storage activity to maintain stored assets in a serviceable condition, including cleaning, **derusting**, repainting, remarking, and corrosion control. Minor operations performed incidental to and at the time of out shipment are included.

127. Primary Inventory Control Activity (PICA). The principal supply control activity responsible for establishing wholesale stockage objectives, controlling stockage objectives, and maintaining item accountability for an item of supply.

DEFINITIONS, continued

a. The SMCA is the PICA for conventional ammunition defined in DoD Directive 5160.65, enclosure 2, paragraph 1a.

b. The designated Military Service(s) is the PICA for ammunition defined in DoD Directive 5160.65, enclosure 2, paragraph 1b.

128. Procuring Agency. The agency, command, or activity that will buy or produce the desired item and is responsible for ultimate delivery to a requiring agency (customer).

129. Producibility Engineering and Planning (PE&P). Applies to RDT&E-funded programs or projects undertaken by the developing Military Services, before quantity procurement, to ensure the economic and reliable producibility of end items or components. The fundamental purpose of PE&P is to ensure a smooth transition from development to production. PE&P must be a part of the engineering design effort to identify potential manufacturing problems and suggest design and schedule trade-offs that would facilitate the manufacturing processes. Therefore, PE&P is a part of the Mantech Technology effort and may lead to manufacturing methods and technology projects.

130. Product-Oriented Survey. An evaluation to determine the adequacy of the technical requirements for quality and product conformance to design intent. (Source: DoD FAR Supplement 46.103.)

131. Production Base Support. Measures taken to establish, augment, and improve production and testing capability; layaway industrial plants and equipment; and do production engineering in advance of quantity production. They include contractual services of the COE required in connection with preparing cost estimates for facilities projects.

132. Production Decision. The decision by the Military Service to enter into the production and deployment phase after satisfactory completion of development and operational tests in the full-scale development phase, followed by approval for use (Army: Type Classification; Navy: Approved for Military Service Use; Air Force: Program Management Directive for Production).

133. Production Facility. The real estate, buildings, utilities, process equipment, and all other associated activities that make up an ammunition plant, as well as plant equipment packages onsite or in central storage.

134. Production Line. The physical facility (or portion thereof), along with the equipment and tooling, for producing a specific component(s) or end item(s).

135. Production Phase. This phase begins with the production site selection process and continues through the production facility phase out or deactivation.

DEFINITIONS, continued

136. Program Planning Guidance Memorandum. A principal decision document of the Secretary of Defense. **It** provides guidance for planning materiel support, within fiscal constraints, that is consistent with the national strategy. It also provides a framework and instructions to the Military Services to explicitly describe the actual materiel support capability that would result from their proposed programs.

137. Programs Objective Memorandum (POM). Recommends and describes the total ammunition requirements objectives. The Department of the Navy's POM, for example, is the Secretary of the Navy's annual recommendation to the Secretary of Defense for the detailed application of the Department of the Navy resources.

138. Property Management. Responsibility for damage, loss, or destruction of assigned property. The SMCA is responsible **fully** and strictly for property management. The SMCA is relieved of custodial accountability and property management responsibilities upon the Military Service's receipt by an accountable officer or custodian at the first retail point. Thereafter, the stocks are considered retail stocks, and the Military Service assumes custodial accountability and property management responsibility.

139. Quantity Per Unit Pack. The number of units of issue contained in the lowest level of unit packaging as established by the **materiel** manager of the owning Military Service.

140. Recertification. Extending the validity of a data package or portion thereof, that the SMCA is using for a current procurement because the requiring Military Service may wish to increase the quantity being procured or procure the identical item in the succeeding FY. This recertification means that the requiring Military Service can recertify the existing data **package** instead of submitting an identical data package or-portion thereof.

141. Requiring Agency. The agency, command, or activity (commonly called customer) that places a requirement on another agency, **command**, or activity for procurement and ultimate delivery of a product.

142. Research and Exploratory Development (R&ED). Any packaging development or testing not oriented specifically towards the engineering development of a specific package for a specific round, regardless of the specific appropriation funding the effort.

143. Research, Development, and Engineering (RD&E) Phase. This extends from the inception of the **commodity** through research, development, and service tests, and initial procurement when this procurement is accomplished by the developing activity. It includes handling and transportation of **ammunition, components** and end items provided to CONUS and OCONUS operational units before their being

DEFINITIONS, continued

accepted for service use and incorporated in the regular logistic support system and the commodity enters the production phase. This phase also includes the concomitant development of packaging, packing, stowage, handling, transportability and transportation methods, techniques, equipment, standards, and specifications as required by new or improved propellants and explosives, parts, other component end items, subsystems, and weapons systems.

144. Research, Development, Test, and Engineering. That portion of the acquisition life cycle of a conventional ammunition item spanning the time from the **item's** conception to release for production/approval for Military Service use.

145. Responsibility

a. The obligation to carry forward an assigned task to a successful conclusion. With the responsibility goes authority to direct and take the necessary action to ensure success.

b. The obligation for proper custody, care, and safekeeping of property or funds entrusted to the possession or supervision of an individual.

146. Retail Inventory. Conventional ammunition stocks defined in DoD Directive 5160.65, enclosure 2, paragraph 1a., between point of receipt at first intermediate/retail CONUS activity and point of consumption.

147. Safety Site Plan. A map of the installation showing the distances between facilities, explosive limits, and classes of hazardous material, with representations of quantity-distance requirements. It is used to ensure that all new or relocated facilities are situated safely with respect to explosive hazards.

148. Sensitive Munitions. Materials of an explosive or hazardous nature containing a potential for rapid burning or detonation, or contributing to the fabrication of an explosive device or other hazard. Also, any other munition considered vulnerable to theft or pilferage. Such munitions, because of their vulnerability to theft or sabotage and potential use in civil disturbances, require an exceptional degree of protection and control during the material life cycle. Sensitivity categories are established in DoD 5100.76-M.

149. Single Manager for Conventional Ammunition (SMCA). The responsibility assigned to the Secretary of the Army by the SECDEF for the procurement, production, supply, and maintenance/renovation of conventional ammunition within the Department of Defense. Specific responsibilities, functions, authorities, and relationships are set forth in DoD Directive 5160.65.

DEFINITIONS, continued

150. Single Manager Items. Items assigned under DoD Directive 5160.65 to the SMCA and that have been identified appropriately in DLSC files by recording the SMCA (**AMCCOM** cataloging activity code BF) as the PICA.

151. SMCA Documentation Set. All documents necessary for the SMCA to assume **the functional** responsibilities for procurement, production, and wholesale management for the item assigned.

152. SMCA Organization. The CG, AMC, is assigned by the Secretary of the Army to execute the **SMCA** mission. The CG, AMC, has assigned the mission for managing and executing the DoD SMCA program to the **EDCA**. The CG, **AMCCOM**, is delegated the responsibility for the conduct of field operations for the SMCA. For the purpose of this manual, the **AMCCOM** staff and its supporting elements and activities, including the MPBMA and **DESCOM** are the SMCA organization.

153. SMCA Production Base Analysis (PBA). The PBA is a document that depicts the capability of the current base to meet future requirements. This document identifies deficits that are referred to the modernization and expansion program.

154. SMCA Production Base Managers Handbook (PBMH). A management document compiled and published by the SMCA that summarizes general and particular vital statistics, capabilities, utilization, modernization, and expansion of conventional ammunition production facilities and lines in the SMCA production base. The two basic sources from which this document is produced are as follows:

- a. The SMCA **PBP/PBA**.
- b. MPBMA Milestone Control System.

155. SMCA Production Base Plan (PBP). The PBP is a document depicting the status of the industrial base. This status is shown as the capability of facilities to meet the requirements of mobilization. Deficits to meet this capability are identified. The M-day for this document is the first day of the new FY.

156. Solicitation. Invitation for Bid, Request for Proposal, or Request for Quote.

157. Special Inspection Equipment. Inspection equipment designed and fabricated **to** verify a **single** attribute of a specific ammunition component or assembly. This equipment is not a **commercial off-the-shelf** item. It may contain some commercially available components. Examples of such inspection equipment are special tapered Acme thread gauges, receiver gauges, fixtures gauges, and special interface gauges.

DEFINITIONS, continued

158. Special Storage. Any required storage that is not available presently within the SMCA complex and will require construction, modernization, or alteration to satisfy a requirement.

159. Special Test Equipment. Electrical, electronic, hydraulic, pneumatic, mechanical, or other items or assemblies of equipment, that are of such a specialized nature that, without modification or alteration, the use of such items (if they are to be used separately) or assemblies is limited to testing in the development or production of **particular** supplies or parts **thereof**, or in the performance of **particular** services. The term "special test equipment" includes all **components** of any assemblies of such equipment. It does not include **consumable** property, special tooling, buildings, nonseverable structures (except foundations and similar improvements necessary for the **installation** of special test equipment), general or special machine tools, or similar capital items.

160. Special Tooling. All jigs, dies, fixtures, molds, patterns, taps, gauges, other equipment, and manufacturing aids, and replacement thereof, **that** are of such a specialized nature that, without substantial modification or alterations, their use is limited to the development or production of particular supplies, or parts thereof, or the performance of particular services. This term includes all components of such items, but does not include consumable property, special test equipment, buildings, nonseverable structures (except foundations and similar improvements necessary for the installation of special tooling), general or special machine tools, or similar capital items.

161. Standard Inspection Equipment. Equipment for the inspection of specified dimensional physical and functionally related attributes. Equipment in this category includes vernier calipers, protractors and scales, sine bars and tables, precision angle blocks, thickness gauges, optical flats, mechanical and optical comparators, surface plates, and similar **items** that basically are off the shelf.

162. Standard Test Equipment. Equipment for the inspection of specified physical and functional product attributes. Equipment in this category includes X-ray equipment, ultrasonic and eddy current testers, pressure gauges, weight measuring devices, thermometers, and similar items that basically are off-the-shelf items. ---

163. Standing Approval List. A list of items provided to the SMCA by each of the Military Services at least annually representing Military Service-owned items in the wholesale inventory for which the SMCA is authorized to make inter-Service transfer without prior coordination. The authorization to make inter-Service transfers without prior coordination exists for items on the list, only if the assets to be transferred from one Military Service's ownership to the ownership of another Military Service can be replaced simultaneously via another interservice

DEFINITIONS, continued

transfer at another facility (or facilities) with assets of the same item in the NSN, quantity, and of equal or better condition and shelf life. All other **interservice** transfers require prior coordination with the owning Military Services.

164. Stock Control Activity (SCA). The organizational element of a distribution system assigned responsibility for maintaining inventory data on the quantity, ownership/purpose, condition, and location of materiel due-in, onhand, and back ordered, to determine availability of materiel for issue and to facilitate distribution and management of materiel.

165. Stock Reservation Levels. A level established for supplies and equipment necessary to meet emergency situations.

166. Storage. The storage of ammunition, ammunition components, and explosives in Military Service magazines necessary to support manufacturing or loading processes, including custody of the finished items for products in magazine areas before entry into the transportation phase of the ammunition or explosive life cycle.

167. Storage Account. The records maintained by the storage activity reflecting standard catalog data and onhand quantity by condition codes, by owner or manager, and by lot or serial number for the purpose of controlling assets in storage and as an inventory aid. (Also referred to as custodial account.)

168. Storage Activity. The organizational element of a distribution system assigned responsibility for the physical handling of materiel in connection with its check-in and inspection (receipt); its keeping and surveillance in a warehouse, shed, or open area; and its selection and shipment (issue).

169. Storage Activity Surveillance. The observation, inspection, investigation, test, study, classification, recording, and reporting of ammunition, ammunition components, and explosives in-movement, storage, and use for degree of serviceability and rate of deterioration.

170. Storage Site. Any activity, facility or plant responsible for the storage of supplies and equipment. Normally, storage is a continuation of the receiving, issue, and other related functions as well.

171. Storing Military Service. The Military Service having physical control of the asset in the storage depot.

172. Surge. The ability of the industrial base to rapidly meet accelerated Production requirements of selected items with **existing** facilities and equipment in a peacetime environment (no declared national emergency). Only existing peacetime program priorities shall

DEFINITIONS, continued

be available to obtain materials, components, and other industrial resources necessary to support accelerated program requirements.

173. Surge Contracting. Contracting (by a contract clause) for a specifically identified surge production capability, with time and quantity goals established.

174. Surge Planning. Planning for rapidly accelerating peacetime production of the highly significant defense industrial base for a broad range of critical situations short of mobilization (declared national emergency).

175. Technical Data Package (TDP). The drawings, specifications, lists, quality requirements, descriptions of manufacture (as applicable), packaging, drawings, and other items comprising all of the technical documentation required to procure and accept the item.

176. Technical Requirements. Those configuration and procedural conditions, including physical, functional, quality, and environmental characteristics, specified by the developing Military Service to accomplish a maintenance action.

177. Tons. The weight of materiel expressed in short tons (2,000 pounds).

178. Top Guard (Fence). The fence topped with three strands of barbed wire 6 inches apart for an overall height of 12 inches upward and 18 inches outward, at a 45° angle.

179. Transaction Item Report (TIR). The periodic reporting, usually **daily**, of materiel receipts, issues, and adjustments to the owning Military Service by the Military Service maintaining custodial accountability for other Military Service-owned assets. This is accomplished by means of appropriate **MILSTRAP** ("D" series document identifier code **(DIC)**) transactions.

180. Transition. The transfer of control for performance of the functions assigned to the **SMCA** in DoD Directive 5160.65, section E.

181. Transportability. The capability of materiel to be moved by towing, self-propulsion, or by carrier via any means, such as railways, highways, waterways, pipelines, oceans, and airways.

182. Transportation. Methods, techniques, and equipment used to transport ammunition through its life cycle, including transportability in the **RD&E** stage; transportation of bulk propellants and explosives, parts and components procured from industry or produced in Government facilities; transportation of components, propellants, and explosives into or between production facilities; **internal** production facility

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transportation; through CONUS line haul and ocean and air transportation incorporating all modes and methods, such as unitization, containerization, lighter aboard ship, and the like.

183. Uneconomic Order Quantity. A quantity smaller than the economic order quantity that, if produced, would cause excessive unit costs.

184. Unit-Funded Cost (UFC). The cost associated with restoring a line item to an issuable condition. The UFC encompasses labor (direct and indirect); overhead; investment material, as required; and expense (consumable) material.

185. Validation Phase. The program phase that precedes the full scale development phase.

186. Wholesale Inventory. Conventional ammunition stocks defined in DoD Directive 5160.65, enclosure 2, paragraph 1a., between point of production and point of receipt at first intermediate retail CONUS activity (tidewater port, air base, post, or station).